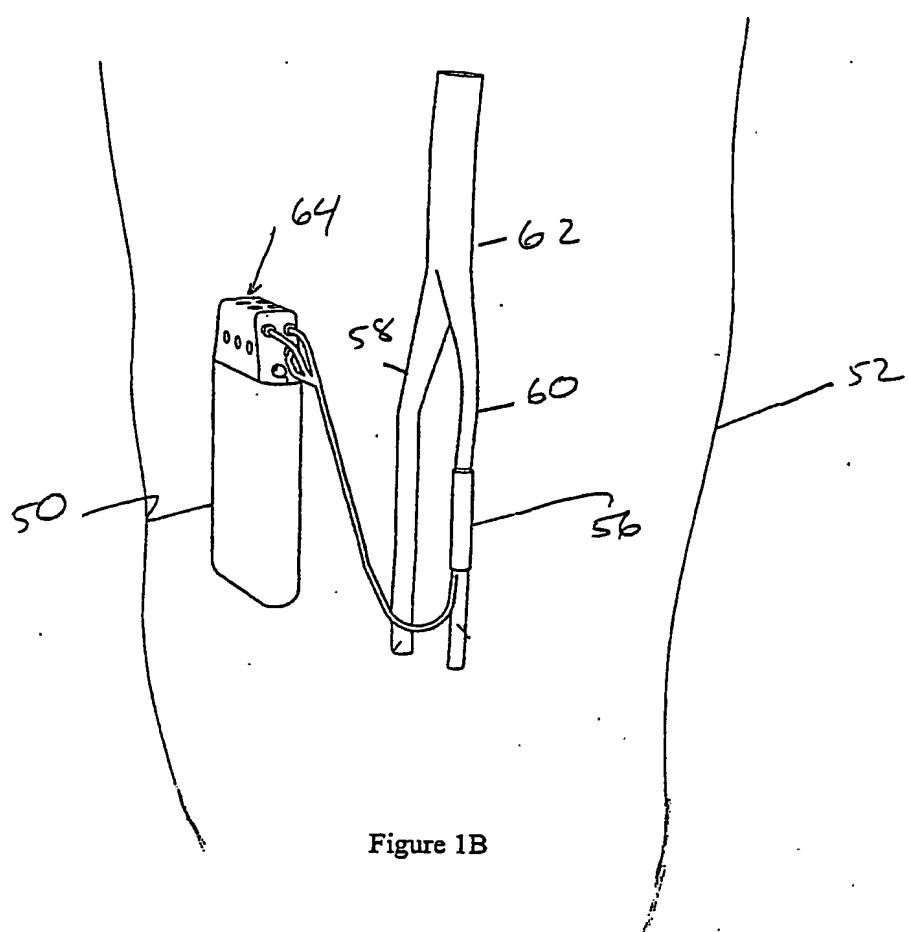
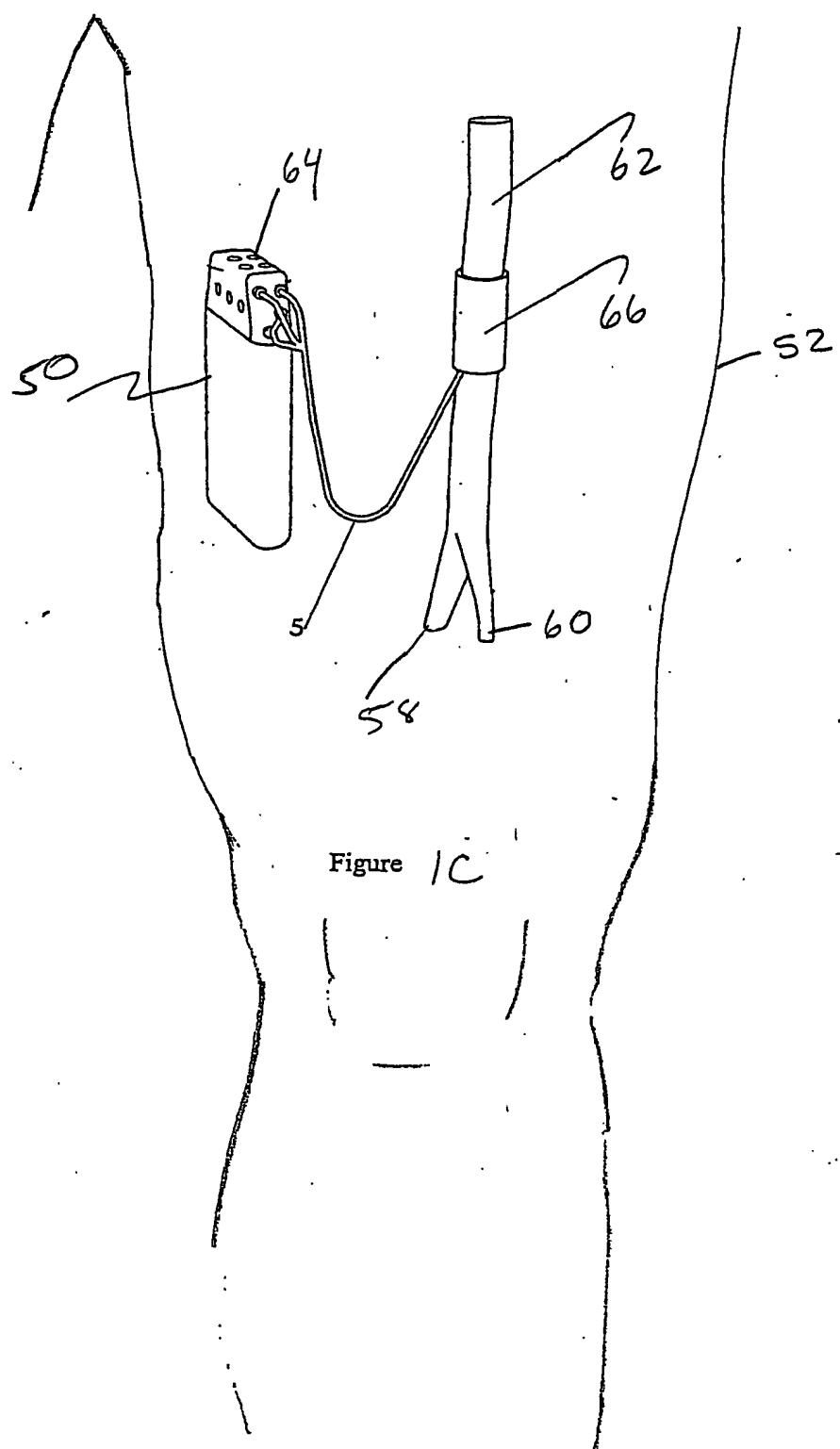


Figure 1A





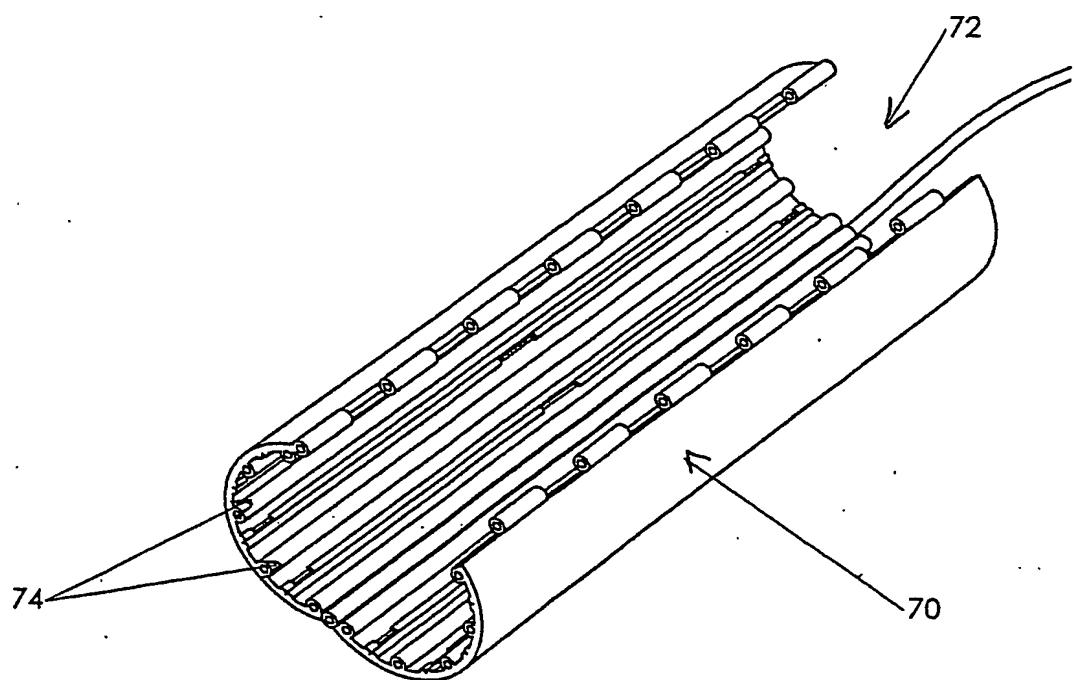


Fig 2

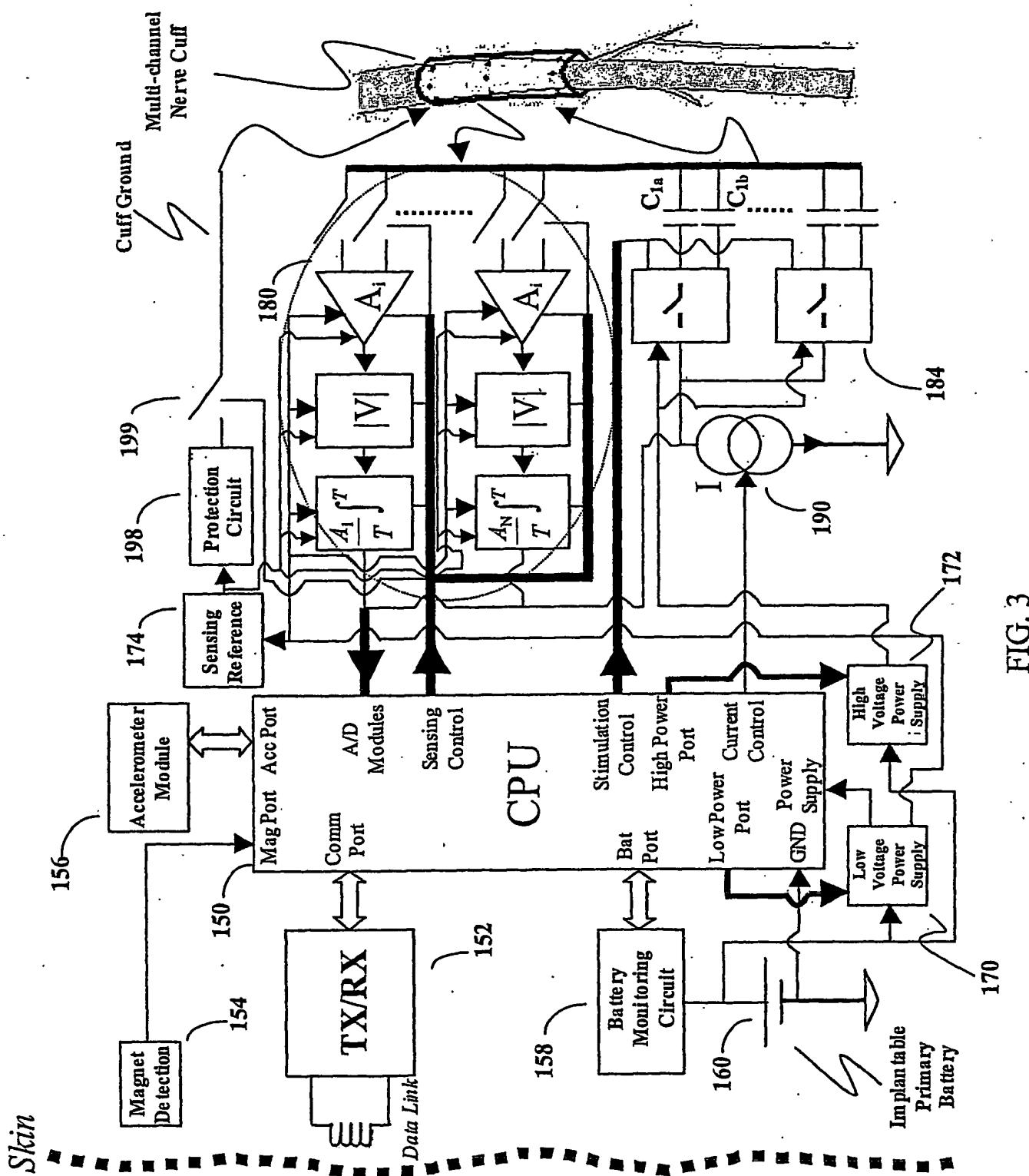


FIG. 3

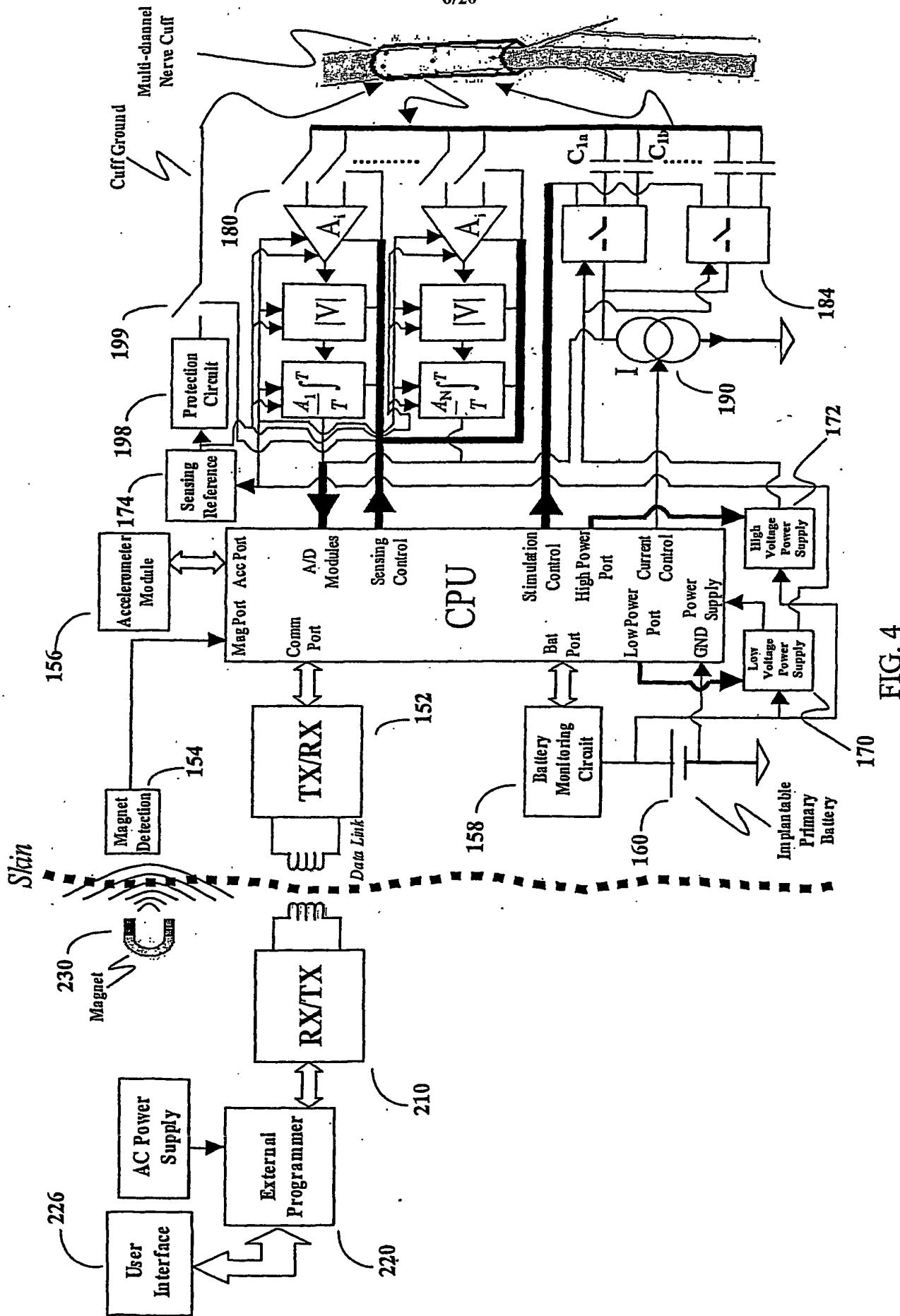


FIG. 4

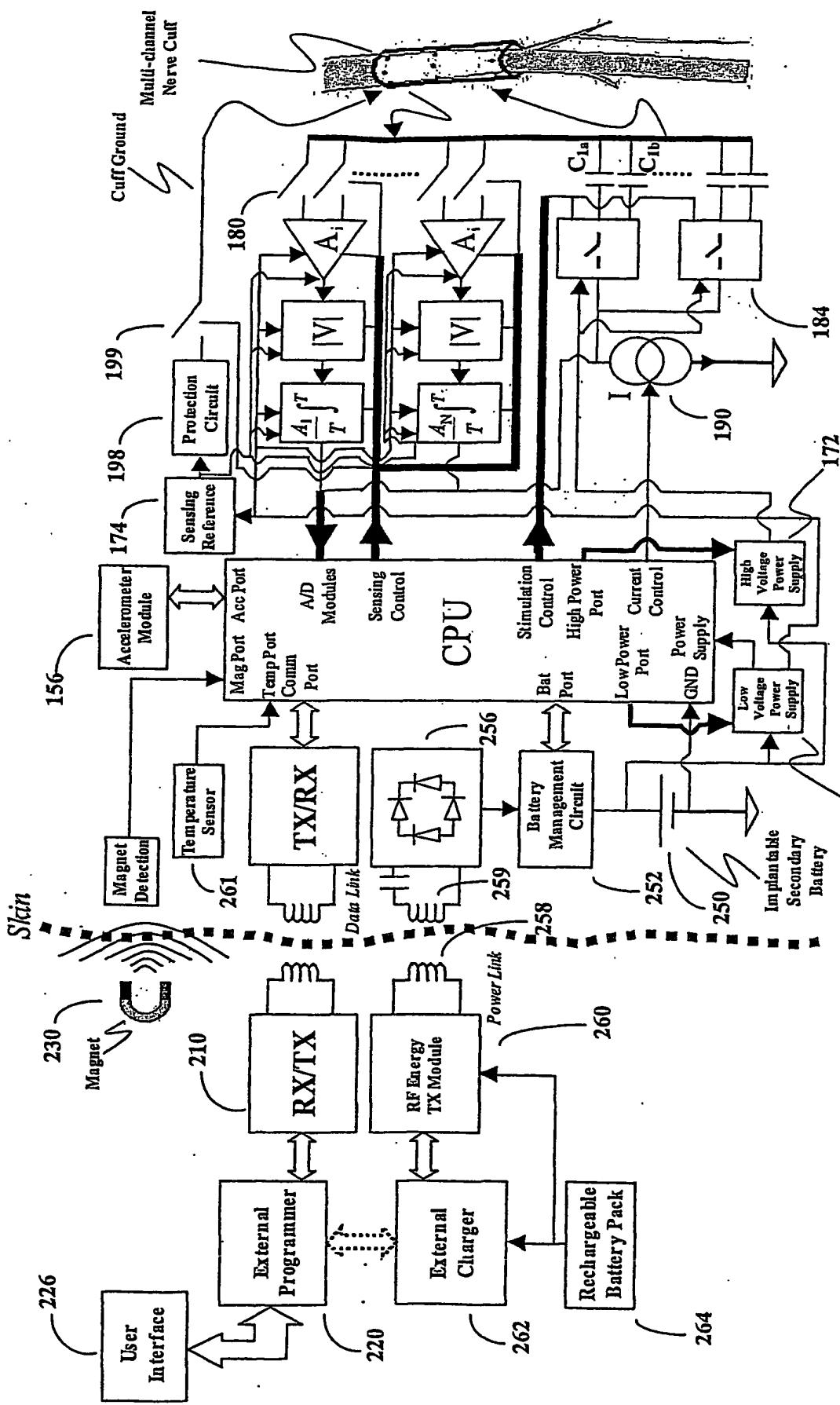


FIG. 5

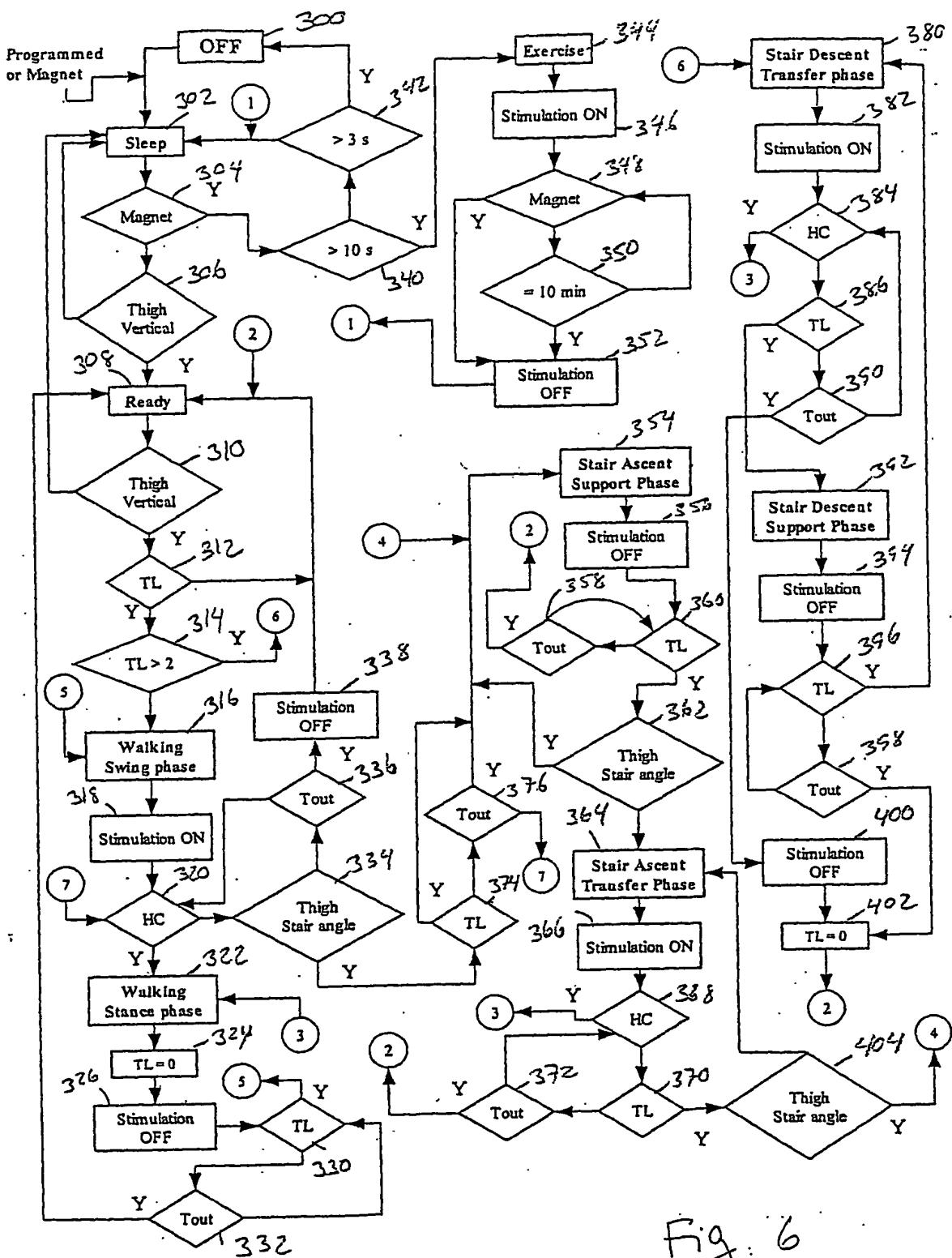


Fig. 6

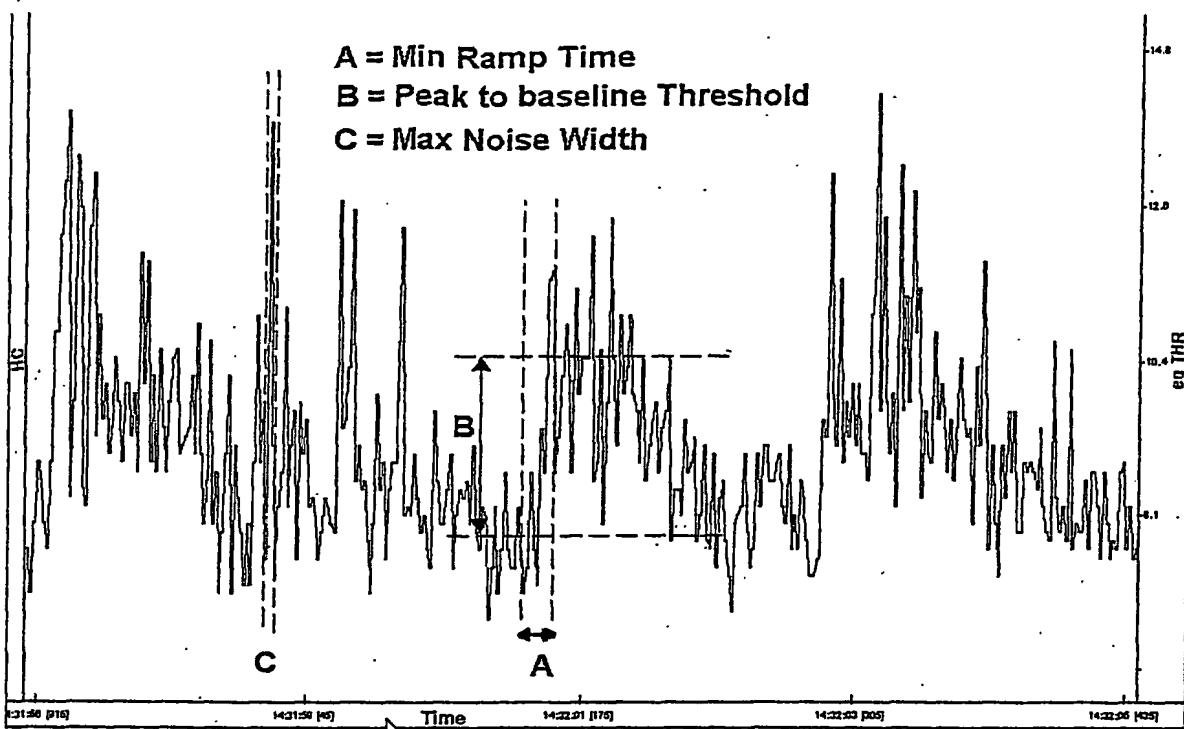


Figure 1. HC Rising event characterization

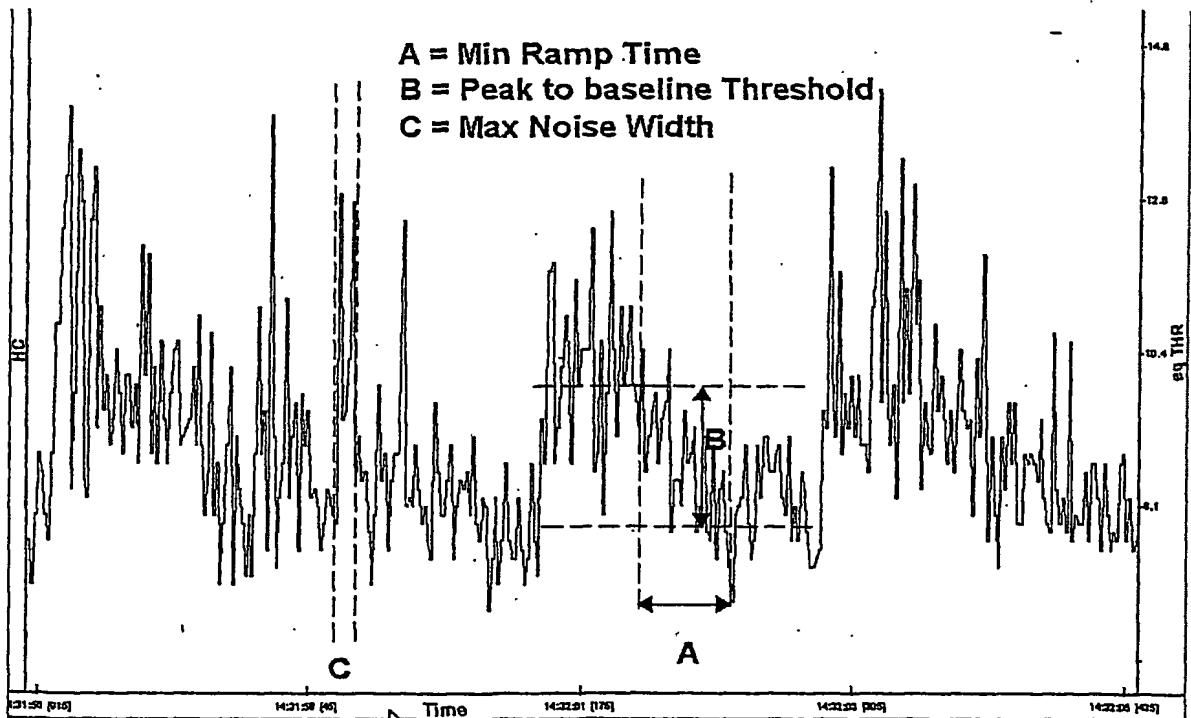


Figure 2. TL Falling event characterization

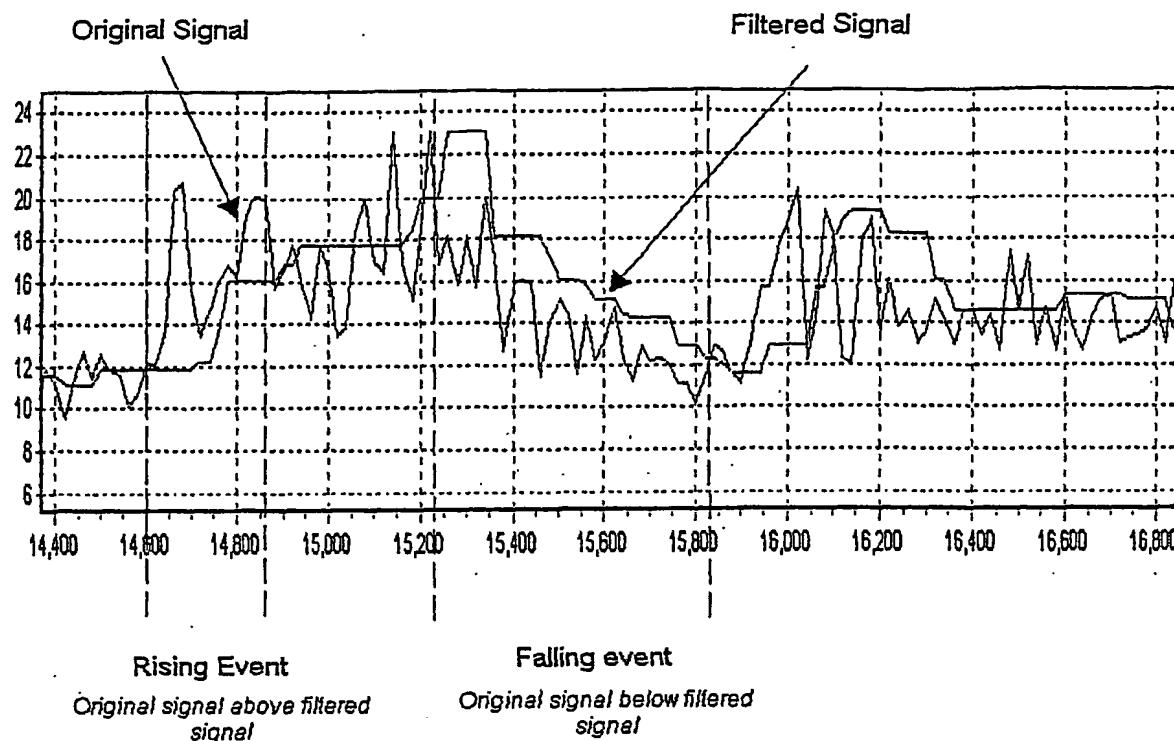


FIG. 7C

HC Rising Event location Flow Chart

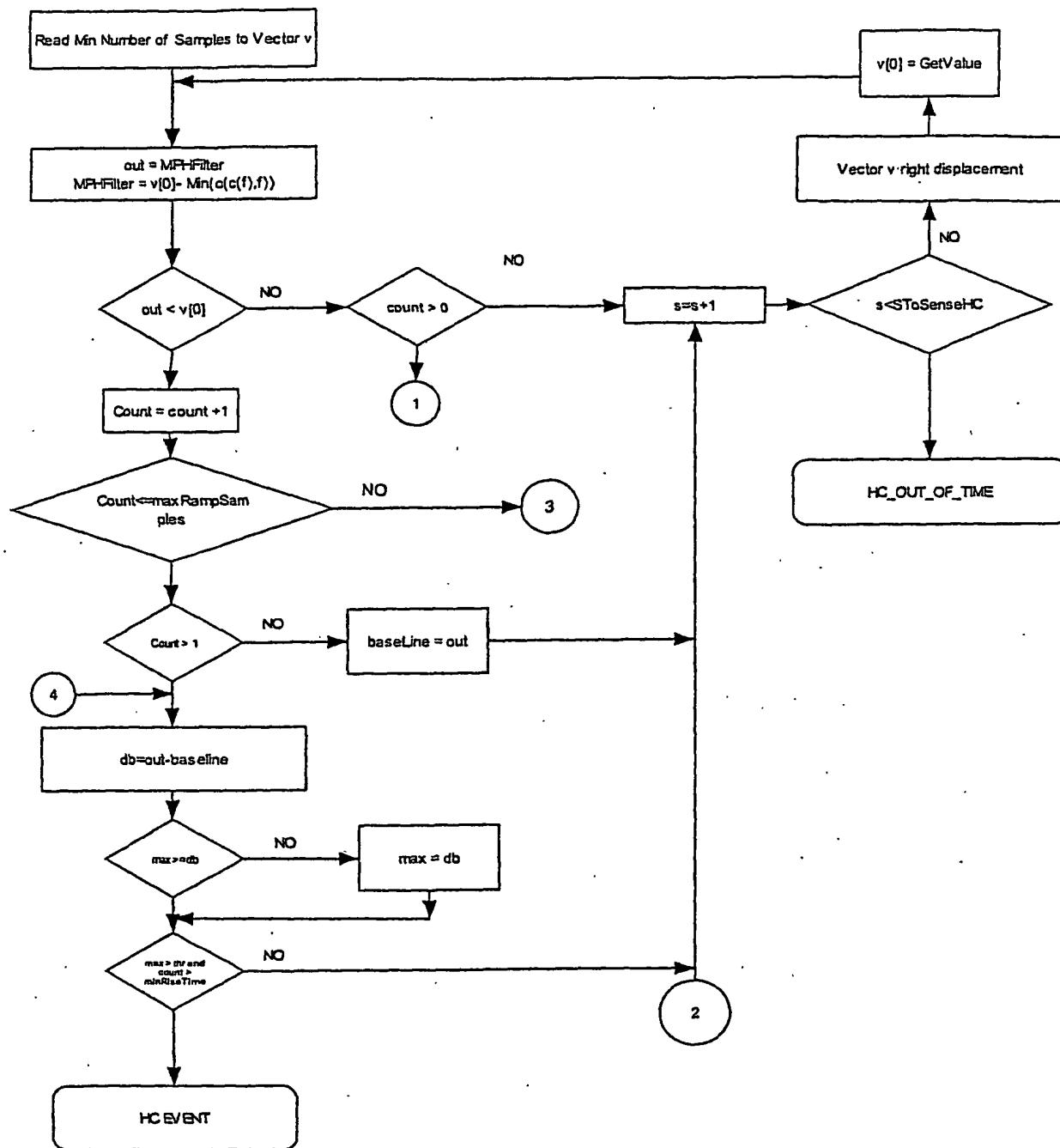


Figure 8A

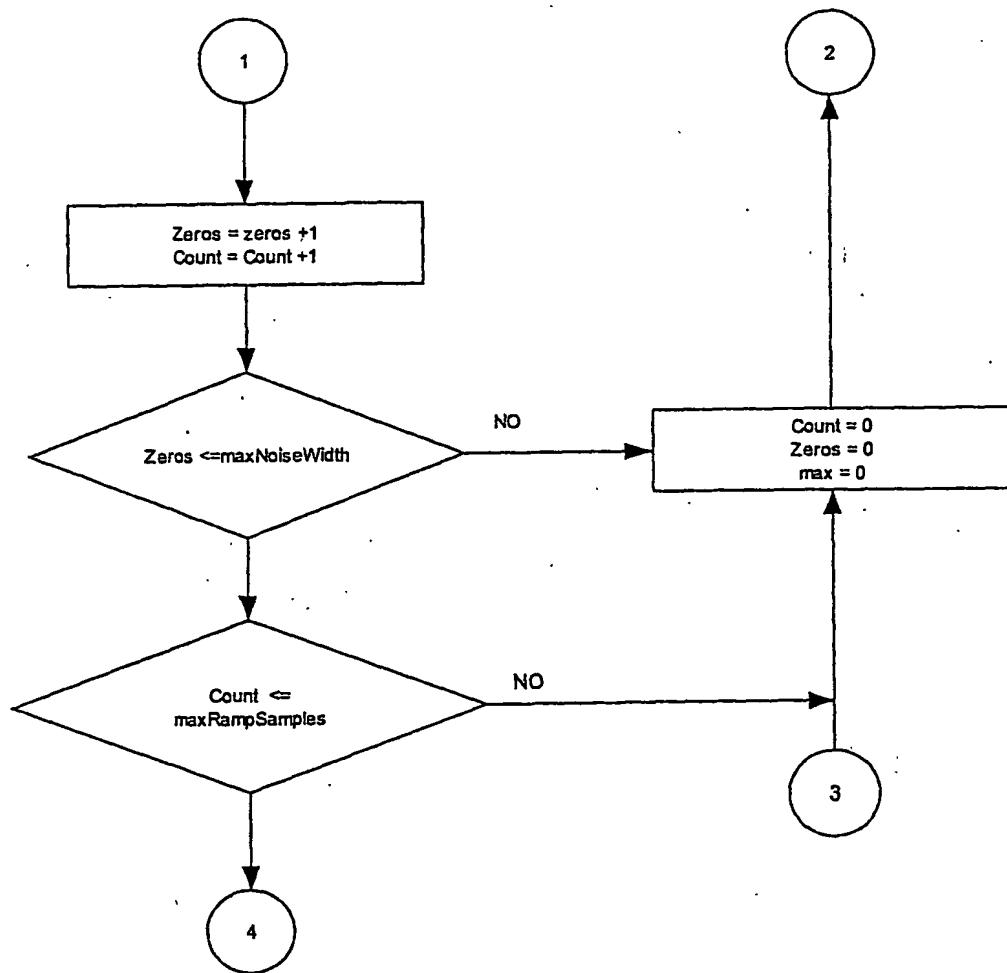


Figure 8B

TL Falling Event location Flow Chart

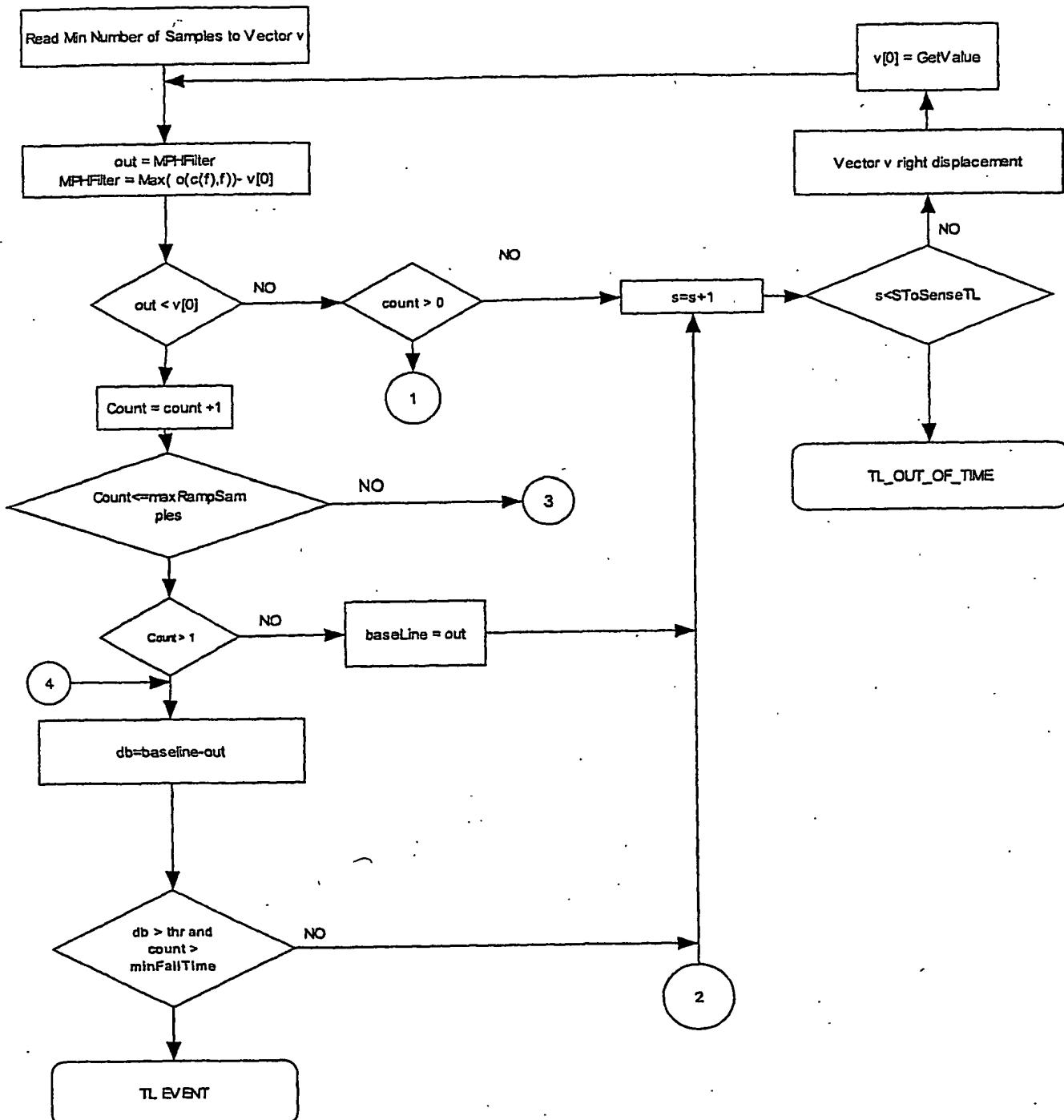


Figure 9A

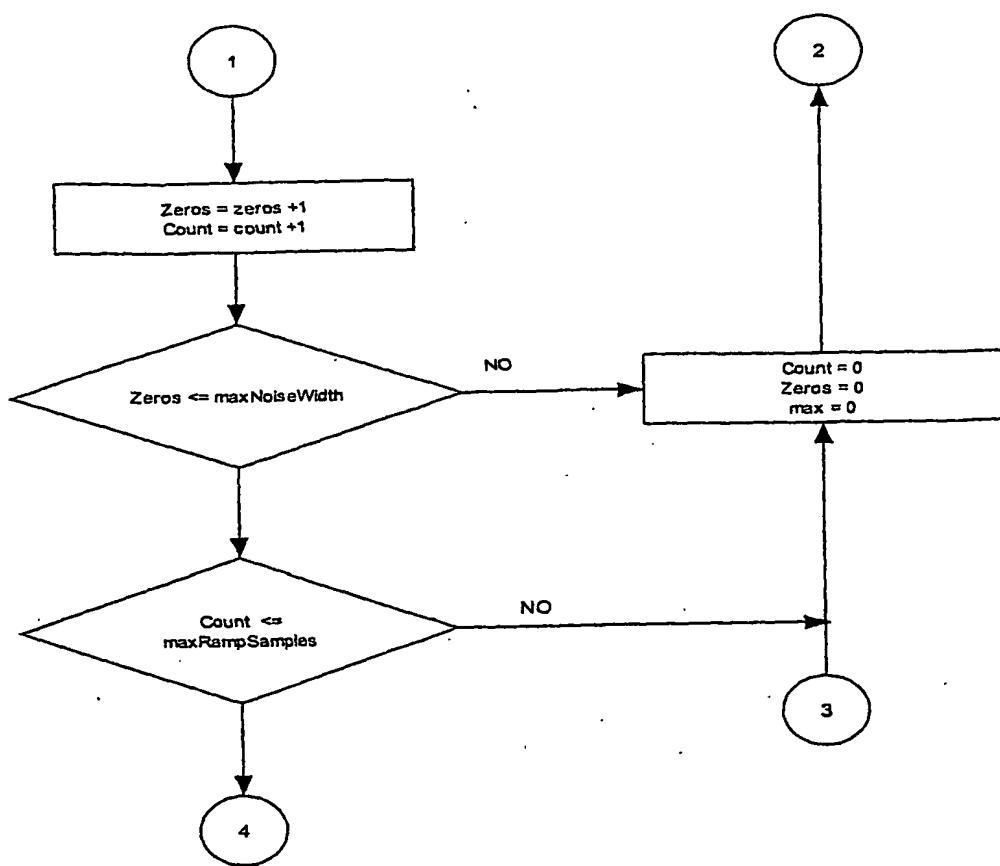


Figure 9B

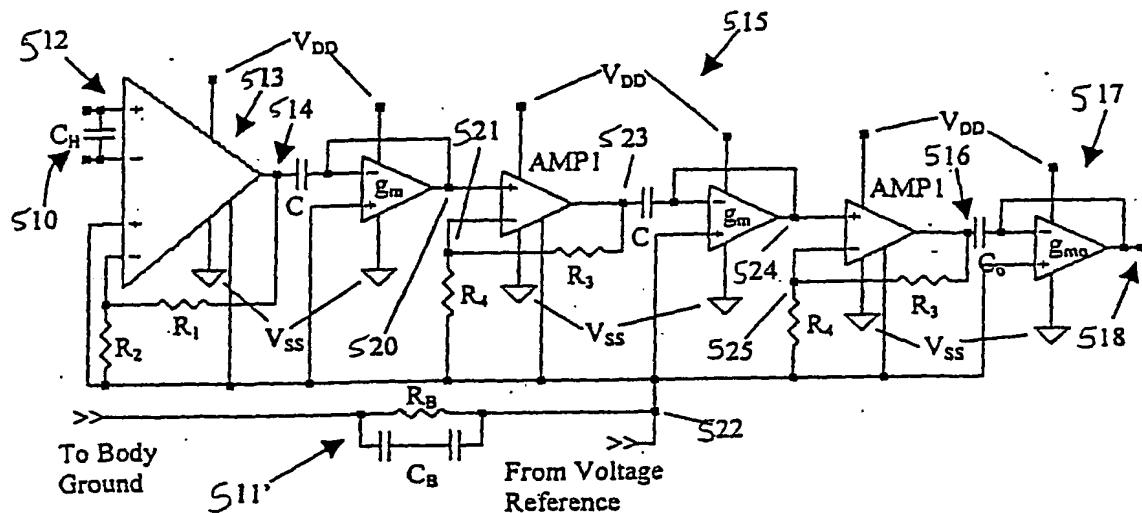


FIG. 10A

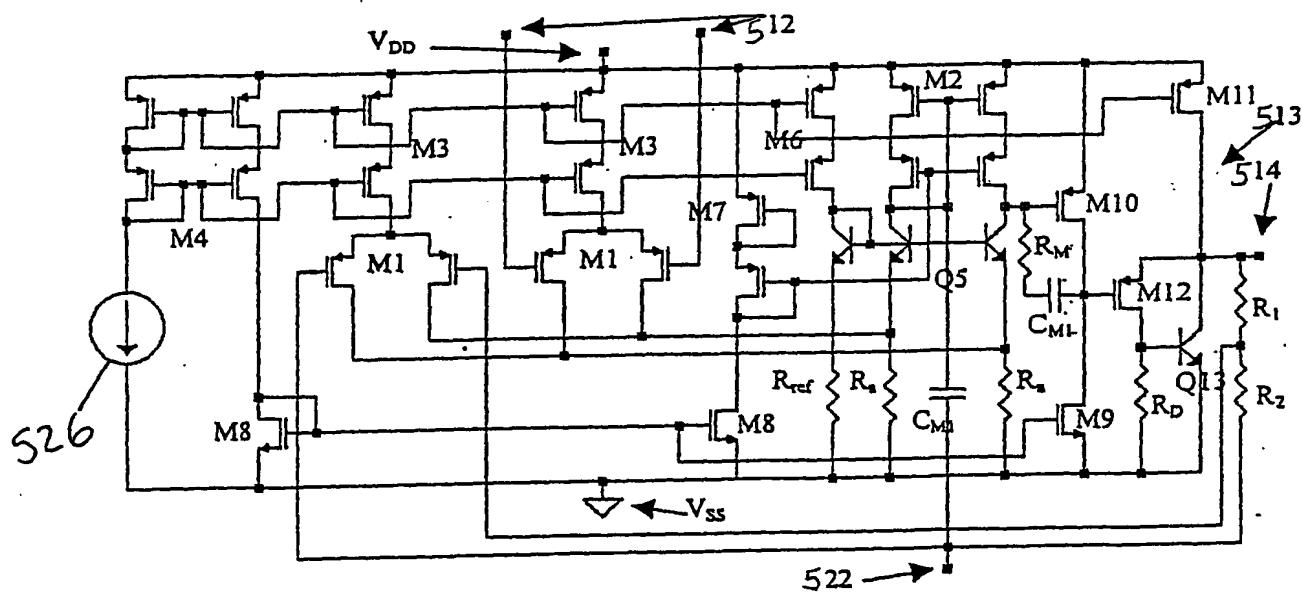


FIG. 10B

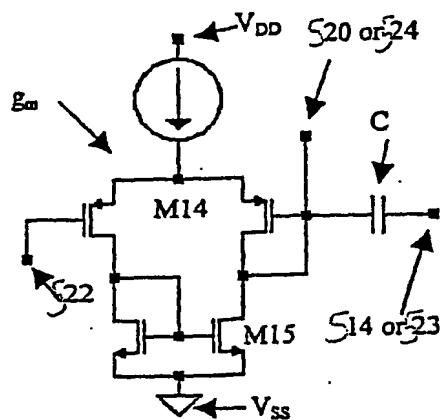


FIG. 10C

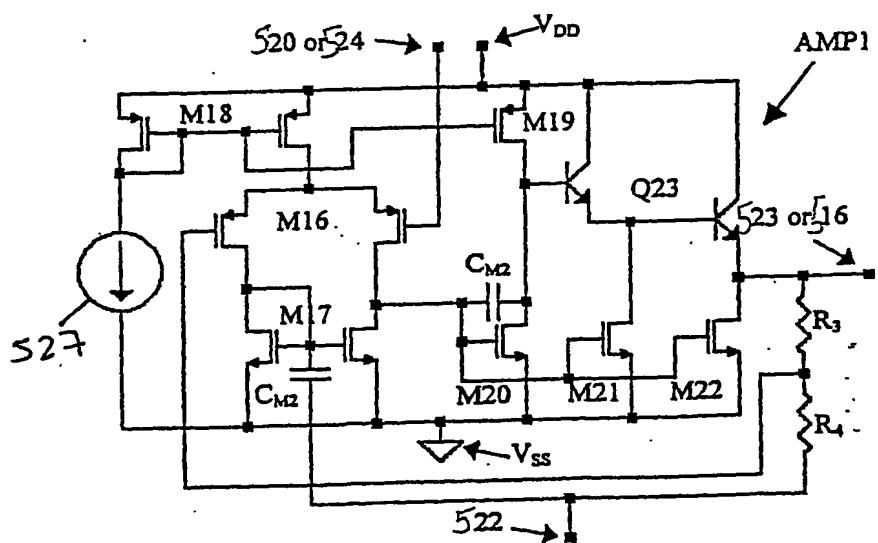
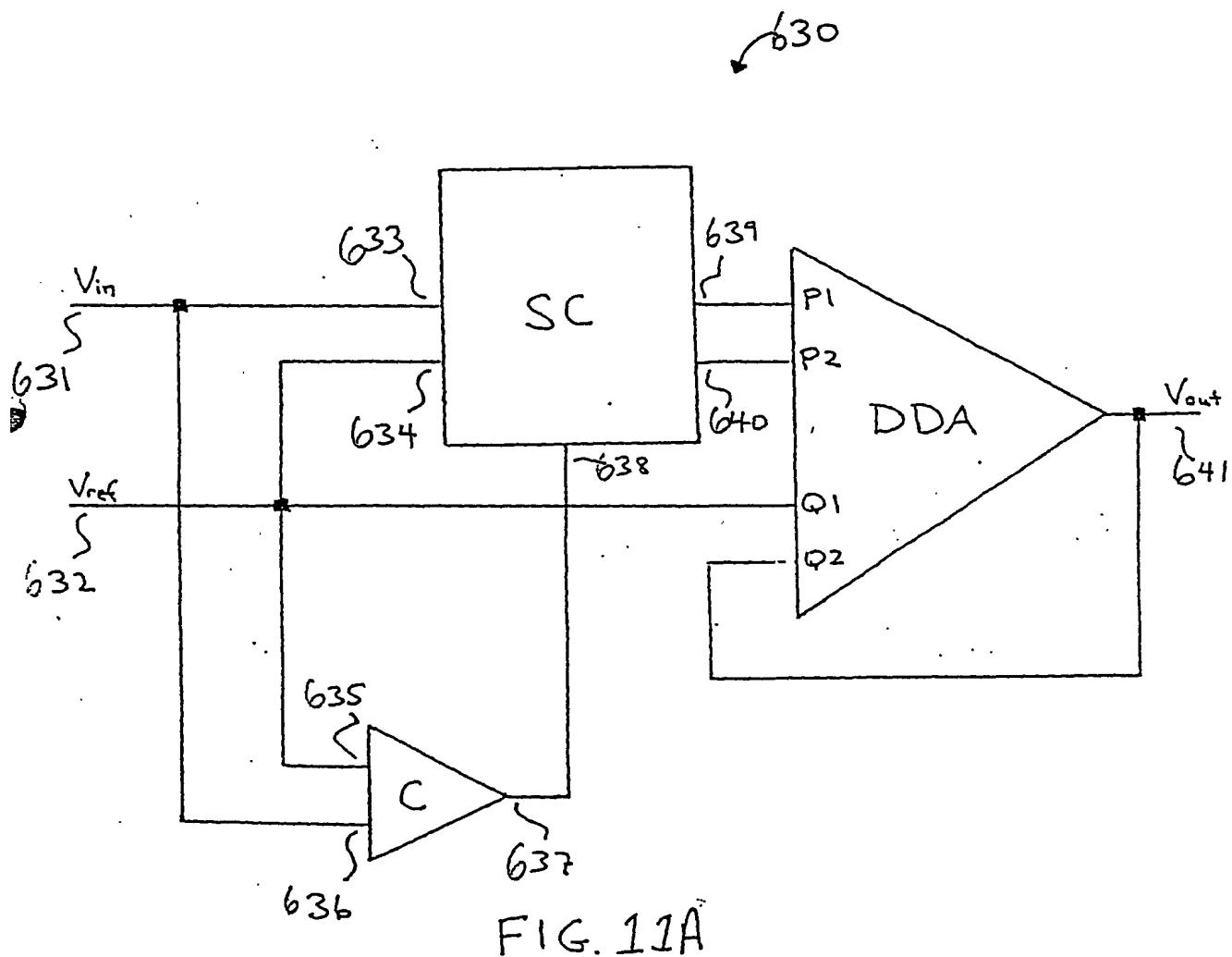


FIG. 10.D.



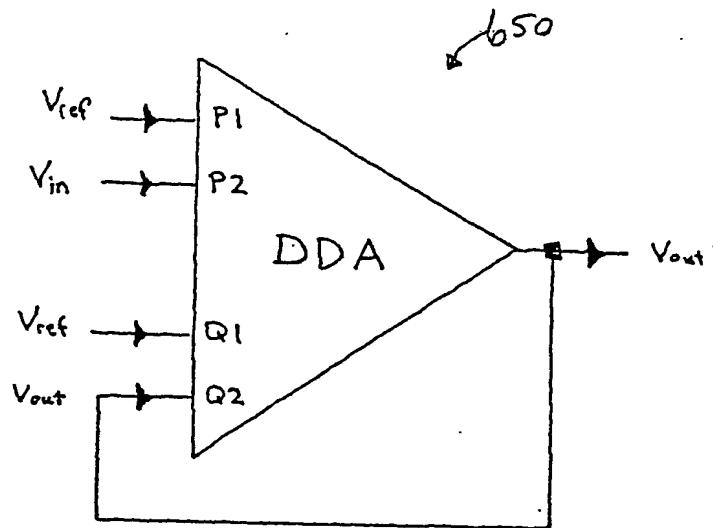


FIG. 11B

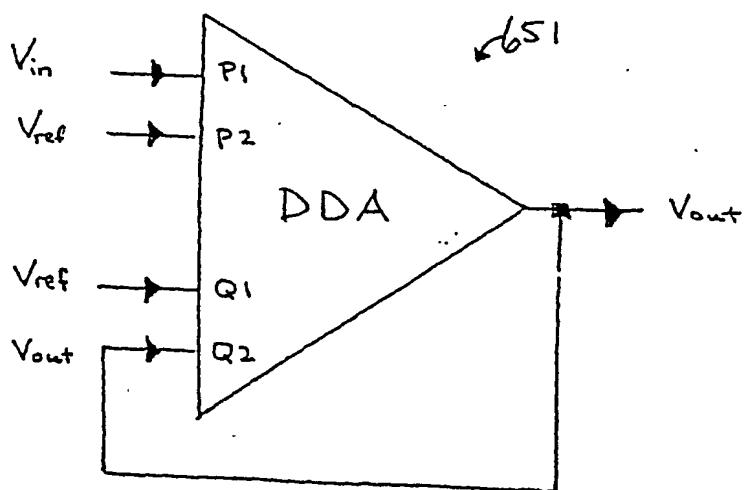


FIG. 11C

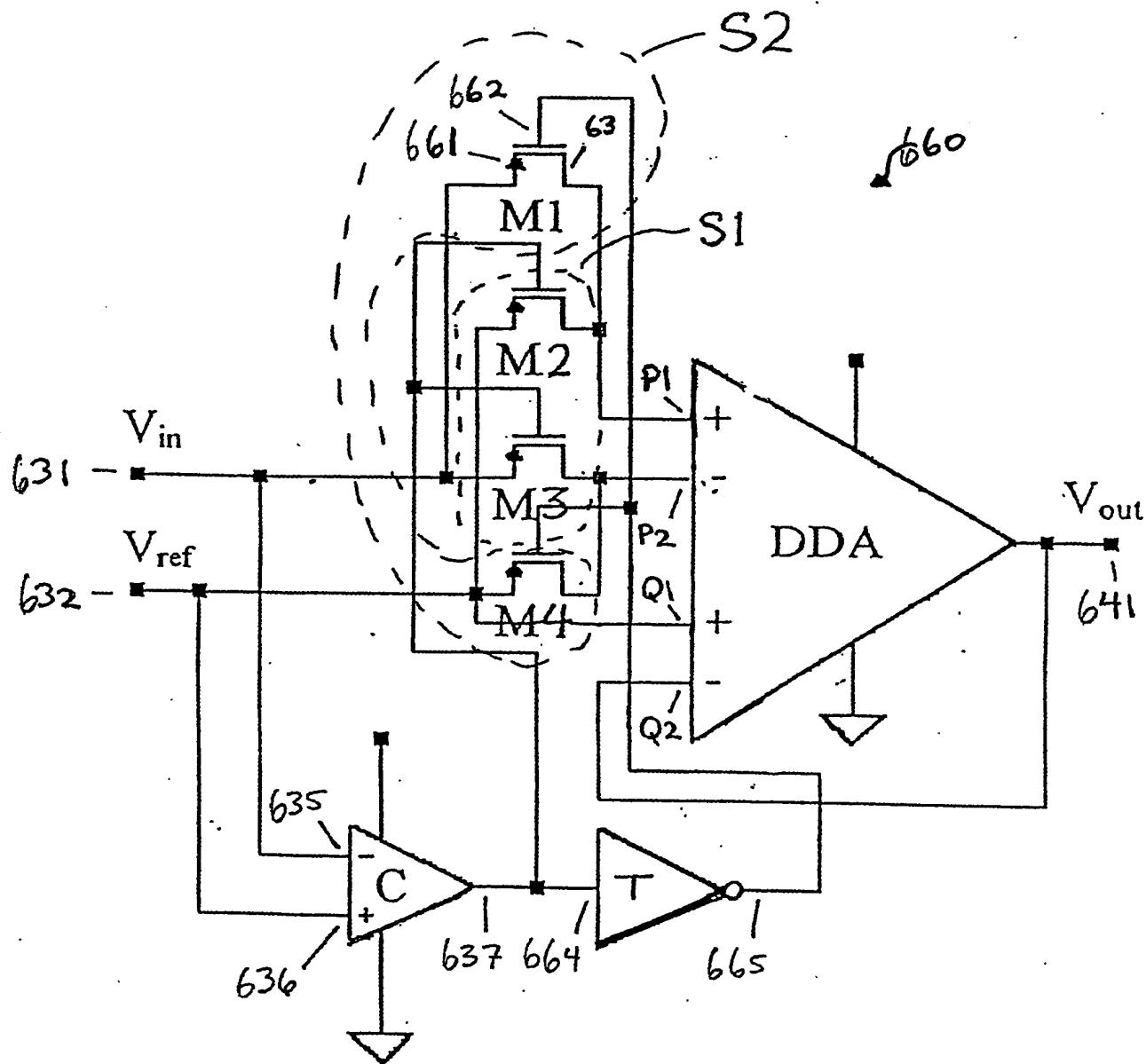


FIG. 11D

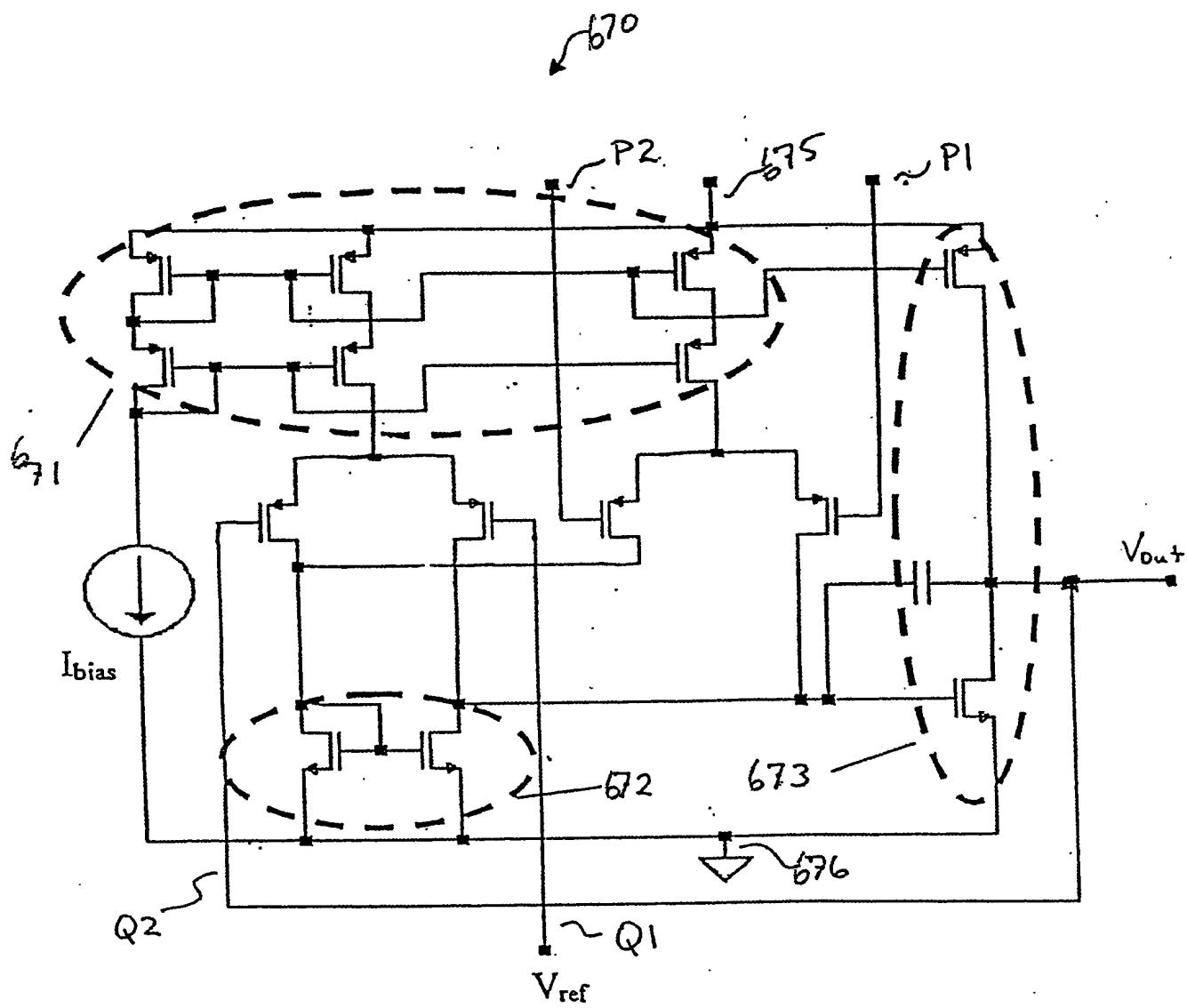


FIG. 11E